

Abstract of the Disclosure

ELECTRONIC ENGINE SPEED CONTROLLER

5 An electronic engine speed control system is
used on a work machine utilizing an engine with a
governor control movable between a plurality of
positions. The governor control is operated by an
operator so that a desired engine speed may be
10 selected for driving a plurality of wheels through a
transmission. The transmission is specifically
controlled to obtain a desired ground speed
independent of the selected engine speed. The engine
speed control system includes an electronic control
15 module. An operator switch is connected to the
control module and is movable to a set position which
sends an input signal with a desired engine speed
value corresponding to a selected engine speed to the
control module. An engine sensor is connectable
20 between the engine and the control module for sensing
the speed of the engine and sending an input signal
with an actual engine speed value to the control
module. An actuator is connected between the control
module and the governor control and responsive to a
25 control signal from the control module for moving the
governor control to any one of the plurality of
positions. The control signal is delivered to the
actuator as a function of the desired and actual
values so that the engine speed is electronically set
30 and maintained at the selected engine speed
independent from the ground speed of the work machine.